



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 0 825 261 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.08.1999 Bulletin 1999/31

(51) Int Cl.⁶: **C12N 15/56**, C12N 9/24,
C12N 1/21, C12C 7/00

(43) Date of publication A2:
25.02.1998 Bulletin 1998/09

(21) Application number: **97306248.2**

(22) Date of filing: **18.08.1997**

(84) Designated Contracting States:
**AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE**

(30) Priority: **16.08.1996 JP 21642196**

(71) Applicant: **SUNTORY LIMITED**
Kita-ku, Osaka-shi, Osaka (JP)

(72) Inventors:
• **Hatanaka, Haruyo**
Kyoto-shi, Kyoto (JP)

- **Ashikari, Toshihiko, Ashikari**
Takatsuku-Shi, Osaka (JP)
- **Ogawa, Jun**
Kyoto-shi, Kyoto (JP)
- **Shimizu, Sakayu**
Kyoto-shi, Kyoto (JP)

(74) Representative: **Stoner, Gerard Patrick et al**
MEWBURN ELLIS
York House
23 Kingsway
London WC2B 6HP (GB)

(54) **Purine nucleosidase from *Ochrobactrum anthropi***

(57) Novel purine nucleosidase derived from *Ochrobactrum anthropi* microorganisms, a gene system cod-

ing therefor, uses therefor and particularly its use in the production of beer.

EP 0 825 261 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6248

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
P,X	EP 0 753 572 A (SUNTORY LTD) 15 January 1997 * the whole document *	1,7-13	C12N15/56 C12N9/24 C12N1/21 C12C7/00
A	TAKAGI Y. AND HORECKER B.L.: "PURIFICATION AND PROPERTIES OF A BACTERIAL RIBOSIDE HYDROLASE" THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 225, 1995, pages 77-86, XP002104771 * page 80, line 26 - page 85, line 10 *	1-3	
D,A	TOFLER O.B. AND WOODINGS T.L.: "A 13-year follow-up of social drinkers" THE MEDICAL JOURNAL OF AUSTRALIA, vol. 2, 31 October 1981, pages 479-481, XP002104772 * page 480, column 1, line 18-20; table 3 *	9-13	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			C12N C12C
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 3 June 1999	Examiner Schönwasser, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 97 30 6248

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

03-06-1999

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0753572 A	15-01-1997	CA 2188032 A	22-08-1996

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82